

Two fluoroscopic images taken from two different angles of the same anatomical feature are registered to a common three-dimensional coordinate system. A dimension of the anatomical feature is determined by specifying with reference to the two registered fluoroscopic images two constrained points within the three-dimensional coordinate system that correspond to the boundaries of the anatomical feature, and calculating a straight-line distance between the two. Additionally, a three-dimensional virtual model of an implant is projected into each of two, registered fluoroscopic image, and a surgeon manipulates the projections to adjust the size and shape of the virtual model, and thereby determine parameters for the implant.

1. The first step is to identify the problem. This involves understanding the current situation and what needs to be changed.